

MINING APPLICATION
NO. _____
Date. _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MR 2, provided
they contain the same information)

1. Name of Applicant or Company Western Clay Company
2. Proposed type of operation Open pit Bentonite clay pit
3. (a) Prior Land Use(s) Bentonite Clay Mine
(b) Current Land Use(s) Bentonite Clay Mine
(c) Possible or Prospective Future Land Use(s) Clay Pit & Marginal Grazing
4. What vegetation exists on the land proposed to be affected Scrub Sagebrush
and occasional Shad Oak brush and scarce Cheatgrass
(a) Types and Estimated Percent cover or density: Estimated to not exceed 20%
5. What is the pH range of soil before mining? unknown pH
Name of Person or Agency and method of determining pH The soil is known to be alkaline and also saline.
6. Site elevation above sea level 5425
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) _____
8. Estimated duration of mining operations 15 yrs.
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics affecting revegetation? No.
10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If yes, describe the quality of water being discharged.

11. Describe specifically a detailed procedure for:
- (a) The mining sequence
 - (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - (c) The procedure for site preparation including removing trees and brush.
 - (d) The method for removing and stockpiling topsoil or disturbed materials.
 - (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
 - (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material. Very little reclamation fill material will be required so no testing is anticipated.

Describe method for the testing of soil that is intended to support vegetation

No testing is anticipated due to the sparsity of existing vegetation.

2. Describe any soil treatment employed as an aid to revegetation

None is planned.

3. Describe surface preparation of areas intended to support vegetation:

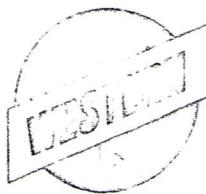
The reclaimed area will be disked to insure a good seed bed.

REVEGETATION

1. Revegetation to be completed by:

- Operator
- Soil Conservation District
- Private Contractor
- Hydroseeding
- Aerial Seeding

Producers & Processors Of
Fulmers Earth
Bentonite
Rock Dust



clay company

Phone (001) 529-3231
Home (001) 000-0000

Neal Mortensen
PRESIDENT

Thomas E. Robison
GENERAL MANAGER

II.

- A. Mining will commence along the south side of an existing pit and will proceed southerly into the base of the north flank of the first Red Knoll. Current plans are to remove material in approximately ten foot bench cuts.
- B. Access is from a County road, with only approximately one hundred yards of existing access road to be maintained. Due to the short distance from the County road, and also to the fact that active mining will only take place for about two weeks annually, very little maintenance will be required aside from an occasional light grading.
- C. Site preparation will consist of stripping some two to three feet of alluvial overburden. This will be accomplished by pushing the overburden aside with a grader or front end loader. The overburden will be stockpiled for future distribution over the reclaimed area.
- E. All disturbed materials will be replaced into the pit area prior to reclamation. No alkalai or acid producing materials will be disturbed.

GRADING AND REGRADING

- A. All benches will be sloped to a maximum steepness of 45 degrees.
- B. All stockpiled upper horizon materials will redistributed with a Wacco Scraper. Tine thickness is estimated at four inches.
- C. No soil treatment is planned other than wheel packing with the scraper during redistribution.
- D. No drainage control will be required.
- E. Maximum grading slope will be 45 degrees or less.

2. Will Mulch be used? () Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Crested Wheat	5 lb.	Entire area	North	Autumn
Junction Wild Rye	5 lb.	" "	" "	" "
Yellow Sweet Clover	1 lb.	" "	" "	" "

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes () No Will vegetation protection be needed? No.

5. Will irrigation be used: () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. Reseed until a satisfactory stand is achieved.

STATE OF Utah
COUNTY OF Sheridan

I, Thomas E. Robison, having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the Applicant and this application has been executed as required by law.

Signed: 

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 27 day of June 1977.

Notary Public: Thomas E. Robison

My Commission Expires: 12-1-80

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

"Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES

(Initial)

NO

(Initial)

Sections desired to be maintained as confidential information -
